

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Minoru KIKUCHI

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: OBJECT VELOCITY MEASURING APPARATUS AND OBJECT VELOCITY MEASURING METHOD

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Marvin J. Spivak

Registration No. 24,913

C. Irvin McClelland
Registration Number 21,124



22850

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CERTIFICATION

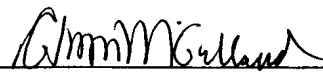
- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
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LIST OF RELATED CASES

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Inventor/ Applicant</u>
0039-6638-2	6,298,143	10/02/01	KIKUCHI et al.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Minoru KIKUCHI

SERIAL NO.: New Application

FILED: Herewith

FOR: OBJECT VELOCITY MEASURING APPARATUS AND OBJECT VELOCITY
MEASURING METHOD

STATEMENT OF RELEVANCY

Reference AO on Form PTO-1449:

This document discloses an invention of calculating movement speed of an object by using images taken continuously from one point, wherein if the same object to be detected is taken in continuous still images, the positions of the centers of gravity of the objects in the images are compared, and thereby the movement speed of the object is calculated.

Reference AP on Form PTO-1449:

In this document, a processing of measuring the position and attitude of an object from an image of the object is performed at 4 or more chronological points of time, motion parameters of the object is obtained on the basis of the position and attitude data of any three points selected from the chronological points, and thereby motion identification is achieved.

Reference AQ on Form PTO-1449:

In this document, feature data of the area, movement direction, and movement speed of an object captured in a monitoring region is assigned to a labeled binary component of differential images. Then, the movement of the object is obtained from the moved pixels of the area and the center of gravity of the object and time interval of the images.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 241063US2S		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Minoru KIKUCHI			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,298,143 B1	10/2/01	Minoru KIKUCHI, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AO	2002-190027	7/5/02	Japan		X	
	AP	6-331380	12/2/94	Japan		X	
	AQ	5-284501	10/29/93	Japan		X	
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							